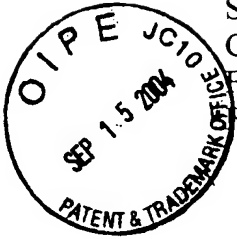


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Nedeljko Varnica, et al.
Serial No: 10/774,763
Confirmation No: 6165
Filed: February 9, 2004
For: METHODS AND APPARATUS FOR IMPROVING
PERFORMANCE OF INFORMATION CODING
SCHEMES

Examiner: Not yet assigned
Art Unit: 2133



CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 13 day of September, 2004.

Jeanne W. Chub

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith are the following documents:

- ☒ Information Disclosure Statement, PTO-1449 and Cited References
- ☒ Return Receipt Postcard

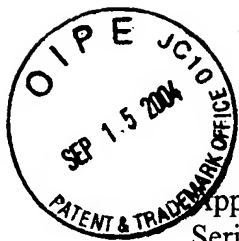
If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 395-7000.

A check is not enclosed. If a fee is required, the Commissioner is hereby authorized to charge Deposit Account No. 50/2762. A duplicate of this sheet is enclosed.

Respectfully submitted,
Nedeljko Varnica, et al., Applicants

By:
Joseph Teja, Jr., Reg. No. 45,157
LOWRIE, LANDO & ANASTASI, LLP
Riverfront Office Park
One Main Street
Cambridge, MA 02142
(617) 395-7000

Date: September 13, 2004
749057.1



DOCKET NO: H2000-7001.19

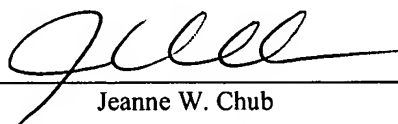
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Nedeljko Varnica, et al.
Serial No: 10/774,763
Confirmation No: 6165
Filed: February 9, 2004
For: METHODS AND APPARATUS FOR IMPROVING
PERFORMANCE OF INFORMATION CODING
SCHEMES

Examiner: Not yet assigned
Art Unit: 2133

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 13 day of September, 2004.



Jeanne W. Chub

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**STATEMENT FILED PURSUANT TO THE DUTY OF
DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98**

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

PART I: Compliance with 37 C.F.R. §1.97

This Information Disclosure Statement has been filed before the mailing date of a first Office Action on the merits in the above-identified case.

No fee or certification is required.

PART II: Information Cited

The Applicant hereby makes of record in the above-identified application the information listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

PART III: Remarks

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicant, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

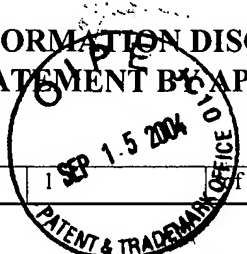
Respectfully submitted,
Nedeljko Varnica, et al., Applicants

By: 

Joseph Teja, Jr., Reg. No. 45,157
LOWRIE, LANDO & ANASTASI, LLP
Riverfront Office Park
One Main Street
Cambridge, Massachusetts 02142
Tel. (617) 395-7000

Docket No. H2000-7001.19
Date: September 13, 2004
XXNDD

| | | | |
|--|---|-------------------------------------|---------------------------------|
| FORM PTO-1449/A and B (Modified) | | APPLICATION NO.: 10/774,763 | ATTY. DOCKET NO.: H2000-7001.19 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | FILING DATE: February 9, 2004 | CONFIRMATION NO.: 6165 |
| | | APPLICANT: Nedeljko Varnica, et al. | |
| | | GROUP ART UNIT: 2133 | EXAMINER: Not yet assigned |
| Sheet 1 | 2 | | |



U.S. PATENT DOCUMENTS

| Examiner's Initials | Cite No. | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication or of issue of Cited Document MM-DD-YYYY |
|------------------------|-------------|----------------------|--------------|--|--|
| | | Number | Kind Code | | |
| | | US2002/0002695 | A1 | Kschischang et al. | 01-03-2002 |
| | | US2002/0067294 | A1 | Shen et al. | 06-06-2002 |
| | | US2002/0181569 | A1 | Goldstein et al. | 12-05-2002 |
| | | US2002/0186759 | A1 | Goldstein et al. | 12-12-2002 |
| | | US2002/0188906 | A1 | Kurtas et al. | 12-12-2002 |
| | | US2003/0182617 | A1 | Kanaoka et al. | 09-25-2003 |
| | | US2002/0196165 | A1 | Shen et al. | 12-26-2002 |
| | | US2003/0014717 | A1 | Yedidia et al. | 01-16-2003 |
| | | US2003/0014718 | A1 | De Souza et al. | 01-16-2003 |
| | | US2003/0023917 | A1 | Richardson et al. | 01-30-2003 |
| | | US2003/0023920 | A1 | Jeong et al. | 01-30-2003 |
| | | US2003/0033570 | A1 | Khannanov et al. | 02-13-2003 |
| | | US2003/0033575 | A1 | Richardson et al. | 02-13-2003 |
| | | US2003/0037298 | A1 | Eleftheriou et al. | 02-20-2003 |
| | | US2003/0065989 | A1 | Yedida et al. | 04-03-2003 |
| | | US2003/0074626 | A1 | Coker et al. | 04-17-2003 |
| | | US2003/0079171 | A1 | Coe | 04-24-2003 |
| | | US2003/0079172 | A1 | Yamagishi et al. | 04-24-2003 |
| | | US2003/0104788 | A1 | Kim | 06-05-2003 |
| | | 6,081,909 | | Luby et al. | 06-27-2000 |
| | | 6,163,870 | | Luby et al. | 12-19-2000 |
| | | 6,510,536 | B1 | Crozier et al. | 01-21-2003 |
| | | 6,539,367 | B1 | Blanksby et al. | 03-25-2003 |

FOREIGN PATENT DOCUMENTS

| Examiner's Initials | Cite No. | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document (not necessary) | Date of Publication of Cited Document MM-DD-YYYY | Translation (Y/N) |
|------------------------|-------------|-------------------------|------------|--------------|---|---|----------------------|
| | | Office/ Country | Number | Kind Code | | | |
| | | AU | 1423502 | | | | |
| | | CA | 2 310 186 | | Kschischang et al. | 02-12-2001 | |
| | | CN | 1405981 | A | | 11-15-2002 | N |
| | | EP | 1 093 231 | A1 | Thomson-CSF | 04-18-2001 | N |
| | | JP | 2003115768 | | | | |
| | | WO | 02/037731 | A2 | Cute Ltd. | 05-10-2002 | |
| | | WO | 02/037731 | A3 | Cute Ltd. | 05-10-2002 | |
| | | WO | 02/091592 | A1 | Advanced Hardware Architectures, Inc. | 11-14-2002 | |



| | | | | | | | | | |
|---|---|----|---|-------------------------------------|--|---------------------------------|--|--|--|
| FORM PTO-1449/A and B (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | APPLICATION NO.: 10/774,763 | | ATTY. DOCKET NO.: H2000-7001.19 | | | |
| | | | | FILING DATE: February 9, 2004 | | CONFIRMATION NO.: 6165 | | | |
| | | | | APPLICANT: Nedeljko Varnica, et al. | | | | | |
| | | | | GROUP ART UNIT: 2133 | | EXAMINER: Not yet assigned | | | |
| Sheet | 1 | of | 2 | | | | | | |

FOREIGN PATENT DOCUMENTS

| | | | | | | | |
|--|--|----|-----------|----|----------------------------|------------|--|
| | | WO | 02/099976 | A2 | Seagate Technology LLC | 12-12-2002 | |
| | | WO | 02/099976 | A3 | Seagate Technology LLC | 12-12-2002 | |
| | | WO | 02/103631 | A1 | Flarion Technologies, Inc. | 12-27-2002 | |
| | | WO | 03/021440 | A1 | Bermai, Inc. | 03-13-2003 | |
| | | | | | | | |
| | | | | | | | |

OTHER ART — NON PATENT LITERATURE DOCUMENTS

| Examiner's Initials | Cite No | Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published. | Translation (Y/N) |
|------------------------|------------|---|----------------------|
| | | AMIN SHOKROLLAHI, "LDPC Codes: An Introduction, April 2, 2003, pp. 1-34, Digital Fountain, Inc., Fremont, CA. | |
| | | | |
| | | | |

| | |
|----------|-----------------|
| EXAMINER | DATE CONSIDERED |
|----------|-----------------|

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. __, filed __, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

[NOTE - Must provide a copy of any patent, publication, other information listed, even if it was previously submitted to, or cited by, the U.S. Patent Office in an earlier application, unless the earlier application is identified by the IDS and is relied upon for an earlier filing date under 35 U.S.C. §120, and the copy was provided in the earlier application.]